

### **Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

### **Listing of Claims:**

1-19. (Canceled).

20. (Currently Amended) A computerized system for producing a customized weather map from a source of weather data for a geographic area, the computerized system comprising:

- a wireless client device including
  - an input device receiving commands and data from a user;
  - a graphical display having a center point substantially centered in the graphical display;
  - a processor; and
  - client software executable by the processor to receive user input from the input device, to generate a server request for weather map data corresponding to a geographic point of interest in response to the user input, and to display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display; and
- a server system coupled to receive weather map data from the source of weather map data, the server system including:
  - one or more computing platforms; and
  - server software executable by the server system to store a list of locations personal to the user, the list of personal locations including a latitude and longitude of each personal location, the server software further executable by the server system to receive the server request for weather map data for the geographic point of interest, to obtain map data corresponding to the geographic point of interest in response to the user input, to obtain weather data for a geographic region surrounding the geographic point of interest from the source of weather data in response to user input, to create a new, customized weather map by combining the map data with the weather, and to transmit the customized weather map to the wireless client

device, wherein the customized weather map is one of multiple image types producible by the server system.

21. (Previously presented) The computerized system of claim 20, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.

22. (Previously presented) The computerized system of claim 20, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.

23. (Previously presented) The computerized system of claim 20, wherein the geographic point of interest is a current location of the wireless client device.

24. (Previously presented) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system.

25. (Previously presented) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device.

26. (Previously presented) The computerized system of claim 23, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data.

27. (Previously presented) The computerized system of claim 20, wherein the source of weather map data is a ground-based source.

28. (Currently Amended) A computerized method for producing a customized weather map for a geographic area, the computerized method comprising:

sending a request to a server for weather map data corresponding to a geographic point of interest of a user;

obtaining the weather map data from a source of weather map data;  
producing a new customized weather map by processing the weather map data on the server for a geographic region surrounding the geographic point of interest, wherein the customized weather map is one of multiple image types producible by the server;  
personalizing the customized weather map by adding labels indicating locations of personal interest to the user;  
transmitting the customized weather map to the wireless client device; and  
displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, wherein the geographic point of interest is substantially aligned with a center point of the graphical display.

29. (Previously Presented) The computerized method of claim 28, further comprising determining the geographic point of interest of the user.

30. (Previously Presented) The computerized method of claim 29, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device.

31. (Previously Presented) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

32. (Previously Presented) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system.

33. (Previously Presented) The computerized method of claim 30, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data.

34. (Previously Presented) A computerized system for producing a customized weather map having a range from a source of weather map data for a geographic area, the computerized system comprising:

- a wireless client device including
  - an input device receiving commands and data from a user;
  - a graphical display having a center point substantially centered in the graphical display;
  - a processor; and
  - client software executable by the processor to receive user input from the input device including a zoom-in or zoom-out command for dynamically changing the range of the customized weather map, generate a server request for weather map data corresponding to a geographic point of interest, and display the customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display; and
- a server system coupled to receive weather map data from the source of weather map data, the server system comprising:
  - one or more computing platforms; and
  - server software executable by the server system to receive a server request for weather map data for the geographic point of interest, to process weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest, to produce a plurality of customized weather maps, one or more of the customized weather maps providing a zoom-in or zoom-out feature for dynamically changing the range of the customized weather map on the wireless client device, and to transmit one or more of the customized weather maps in response to the server request, wherein the customized weather map is one of multiple image types producible by the server system.

35. (Previously presented) The computerized system of claim 34, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.

36. (Previously presented) The computerized system of claim 34, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.

37. (Previously presented) The computerized system of claim 34, wherein the geographic point of interest is a current location of the wireless client device.

38. (Previously presented) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from a global positioning system.

39. (Previously presented) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by determining a cell of the wireless client device.

40. (Previously presented) The computerized system of claim 37, wherein the server software is further executable by the server system to determine the current location of the wireless client device by receiving location information from user-entered data.

41. (Previously presented) The computerized system of claim 34, wherein the source of weather map data is a ground-based source.

42. (Currently Amended) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:  
sending a request to a server for weather map data corresponding to a geographic point of interest of a user;

processing weather map data on the server from the source of weather map data;

producing a plurality of customized weather maps for a geographic region surrounding the geographic point of interest, wherein the customized weather maps are of at least one of multiple image types producible by the server;

modifying the customized weather map to indicate at least one location of personal interest to a user, the location of personal interest being obtained from a database stored on the server;

transmitting one or more of the customized weather maps to a wireless client device, at least one of the customized weather maps providing a zoom-in or zoom-out feature for dynamically changing a range of the customized weather map on the wireless client device to one of a plurality of other ranges in response to a zoom-in or zoom-out command;

displaying one of the customized weather maps having the range for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device, wherein the geographic point of interest is substantially aligned with a center point of the graphical display;

processing a zoom-in or zoom-out command on the wireless client device; and

displaying the customized weather map having one of the plurality of other ranges for the geographic region surrounding the geographic point of interest on the graphical display of the wireless client device.

43. (Previously presented) The computerized method of claim 42, further comprising determining the geographic point of interest of the user.

44. (Previously presented) The computerized method of claim 43, wherein the determining of the geographic point of interest of the user comprises determining a current location of the wireless client device.

45. (Previously presented) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

46. (Previously presented) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises receiving location information from a global positioning system.

47. (Previously presented) The computerized method of claim 44, wherein the determining of the current location of the wireless client device comprises receiving location information from user-entered data.

48-61. (Canceled)

62. (Currently Amended) A computerized system for producing a customized weather map from a source of weather map data for a geographic area, the computerized system comprising:

a wireless client device including

an input device receiving commands and data from a user;

a graphical display having a center point substantially centered in the graphical display;

a processor; and

client software executable by the processor to receive user input from the input device, generate a server request for weather map data corresponding to a geographic point of interest, display a customized weather map for a geographic region surrounding the geographic point of interest, wherein the geographic point of interest is substantially aligned with the center point of the graphical display, and display customized weather data associated with a weather condition of interest; and

a server system coupled to receive weather map data from the source of weather map data, the server system comprising:

one or more computing platforms; and

server software executable by the server system to receive a server request for weather map data for the geographic point of interest, to store a list of location of personal interest to a user, to produce a customized weather map by processing weather map data from the source of weather map data for a geographic region surrounding the geographic point of interest, to modify the customized weather map to indicate at least one of the locations of personal interest to the user, to transmit the customized weather map to the wireless client device, to estimate a current location of the wireless client device, to estimate a speed and direction of movement of the wireless client device, to estimate a time of arrival of the wireless client device to a weather condition of interest to the user, and to transmit to the wireless client device customized weather data associated with the weather condition of interest, wherein the customized weather map is one of multiple image types producible by the server system.

63. (Previously presented) The computerized system of claim 62, wherein the wireless client device comprises a wireless-application protocol-enabled mobile phone.
64. (Previously presented) The computerized system of claim 62, wherein the wireless client device comprises a personal digital assistant adapted for wireless Internet access.
65. (Previously presented) The computerized system of claim 62, wherein the geographic point of interest is a current location of the wireless client device.
66. (Previously presented) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by receiving location information from a global positioning system.
67. (Previously presented) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by determining a cell of the wireless client device.
68. (Previously presented) The computerized system of claim 65, wherein the server software is further executable by the server system to estimate the current location of the wireless client device by receiving location information from user-entered data.
69. (Previously presented) The computerized system of claim 62, wherein the source of weather map data is a ground-based source.
70. (Currently Amended) A computerized method for producing a customized weather map from a source of weather map data for a geographic area, the computerized method comprising:  
    sending a request to a server for a particular type of weather map data corresponding to a geographic point of interest of a user;  
    obtaining the particular type of weather map data from the source of weather map data;  
    creating a customized weather map by processing the weather map data on the server for a geographic region surrounding the geographic point of interest, wherein the customized



weather map indicates at least one location of personal interest to the user, wherein the  
customized weather map is one of multiple image types producible by the server;  
transmitting the customized weather map to the wireless client device;  
displaying the customized weather map for the geographic region surrounding the  
geographic point of interest on a graphical display of the wireless client device, the geographic  
point of interest being substantially aligned with a center point of the graphical display;  
estimating a current location of the wireless client device on the server;  
estimating a speed and direction of movement of the wireless client device on the server;  
estimating a time of arrival of the client device to a weather condition of interest to the  
user on the server;  
transmitting customized weather data associated with the weather condition of interest to  
the wireless client device; and  
displaying the customized weather data associated with the weather condition of interest  
on the graphical display of the wireless client device.

71. (Previously presented) The computerized method of claim 70, wherein the determining of the current location of the wireless client device comprises determining a cell of the wireless client device.

72. (Previously presented) The computerized method of claim 70, wherein the estimating of the current location of the wireless client device comprises receiving location information from a global positioning system.

73. (Previously presented) The computerized method of claim 70, wherein the estimating of the current location of the wireless client device comprises receiving location information from user-entered data.

74. (Currently Amended) A computerized method for producing a customized weather map from at least one source of weather map data for a geographic point of interest of a user, the computerized method comprising:

sending a request from a client device to a server for weather map data corresponding to a geographic point of interest of a user;

obtaining a base map including geographic information corresponding to the geographic point of interest of the user from a first source;

obtaining geo-temporal data corresponding to the base map from a second source;

producing a first customized weather map for the geographic point of interest of a user by combining the geo-temporal data and the base map on the server;

obtaining locations of personal interest to the user;

modifying the first customized weather map to indicate the predetermined locations of personal interest to the user;

transmitting the customized weather map to the wireless client device; and

displaying the customized weather map for the geographic region surrounding the geographic point of interest on a graphical display of the wireless client device.

75. (Previously Presented) The computerized method of claim 74, further comprising:  
obtaining geo-political data; and  
combining the geo-political data with the first customized weather map to produce a second customized weather map including geographical, geo-temporal, and geo-political information.

76. (Canceled).

77. (Previously Presented) The computerized method of claim 76, wherein the predetermined personal locations includes at least one of names, longitude and latitude locations, and keys into lists or tables of personal location that are stored on the server.

78. (Previously Presented) The computerized method of claim 74, wherein the geo-temporal data is a graphic image.

79. (Previously Presented) The computerized method of claim 75, wherein the geo-political data is a graphic image.

80. (Previously Presented) The computerized method of claim 75, wherein the predetermined personal locations of interest to the user are represented as graphic images.

81. (New) The computerized method of claim 74, wherein the locations of personal interest are indicated by labels.

82. (New) The computerized method of claim 74, wherein the locations of personal interest include a house owned by the user.